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(2)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/821,821

DATE: 04/18/2001
TIME: 07:50:08

Input Set : A:\36938Aseq.txt
Output Set: N:\CRF3\04182001\I821821.raw

ENTERED

4 <110> APPLICANT: Welcher, Andrew A.
5 Calzone, Frank J.
7 <120> TITLE OF INVENTION: CD20/IgE-Receptor Like Molecules and Uses Thereof
9 <130> FILE REFERENCE: 01017/36938A
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/821,821
C--> 12 <141> CURRENT FILING DATE: 2001-03-29
14 <150> PRIOR APPLICATION NUMBER: US 09/723,258
15 <151> PRIOR FILING DATE: 2000-11-27
17 <150> PRIOR APPLICATION NUMBER: US 60/193,728
18 <151> PRIOR FILING DATE: 2000-03-30
20 <160> NUMBER OF SEQ ID NOS: 25
22 <170> SOFTWARE: PatentIn Ver. 2.0
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25 <211> LENGTH: 760
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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30 <221> NAME/KEY: CDS
31 <222> LOCATION: (98)..(697)
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36 ctaaatcatc tccttcaaa ttatcaccga caccatc atg gat tca agc acc gca 115
37 Met Asp Ser Ser Thr Ala
38 1 5
40 cac agt ccg gtg ttt ctg gta ttt cct cca gaa atc act gct tca gaa 163
41 His Ser Pro Val Phe Leu Val Phe Pro Pro Glu Ile Thr Ala Ser Glu
42 10 15 20
44 tat gag tcc aca gaa ctt tca gcc acg acc ttt tca act caa agc ccc 211
45 Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr Phe Ser Thr Gln Ser Pro
46 25 30 35
48 ttg caa aaa tta ttt gct aga aaa atg aaa atc tta ggg act atc cag 259
49 Leu Gln Lys Leu Phe Ala Arg Lys Met Lys Ile Leu Gly Thr Ile Gln
50 40 45 50
52 atc ctg ttt gga att atg acc ttt tct ttt gga gtt atc ttc ctt ttc 307
53 Ile Leu Phe Gly Ile Met Thr Phe Ser Phe Gly Val Ile Phe Leu Phe
54 55 60 65 70
56 act ttg tta aaa cca tat cca agg ttt ccc ttt ata ttt ctt tca gga 355
57 Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro Phe Ile Phe Leu Ser Gly
58 75 80 85
60 tat cca ttc tgg ggc tct gtt ttg ttc att aat tct gga gcc ttc cta 403
61 Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile Asn Ser Gly Ala Phe Leu
62 90 95 100
65 att gca gtg aaa aga aaa acc aca gaa act ctg ata ata ttg agc cga 451
66 Ile Ala Val Lys Arg Lys Thr Thr Glu Thr Leu Ile Ile Leu Ser Arg
67 105 110 115
69 ata atg aat ttt ctt agt gcc ctg gga gca ata gct gga atc att ctc 499
70 Ile Met Asn Phe Leu Ser Ala Leu Gly Ala Ile Ala Gly Ile Ile Leu

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71	120	125	130	
73	ctc aca ttt ggt ttc atc cta gat caa aac tac att tgt ggt tat tct			547
74	Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn Tyr Ile Cys Gly Tyr Ser			
75	135	140	145	150
77	cac caa aat agt cag tgt aag gct gtt act gtc ctg ttc ttg gga att			595
78	His Gln Asn Ser Gln Cys Lys Ala Val Thr Val Leu Phe Leu Gly Ile			
79	155	160	165	
81	ttg att aca ttg atg act ttc agc att att gaa tta ttc att tct ctg			643
82	Leu Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe Ile Ser Leu			
83	170	175	180	
85	cct ttc tca att ttg ggg tgc cac tca gag gat tgt gat tgt gaa caa			691
86	Pro Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp Cys Glu Gln			
87	185	190	195	
89	tgt tgt tgactagcac tgtgagaata aagatgtgtt aaaatctcaa aaaaaaaaaa			747
90	Cys Cys			
91	200			
93	aaaaaaaaaa aaa			760
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97	<211> LENGTH: 200			
98	<212> TYPE: PRT			
99	<213> ORGANISM: Homo sapiens			
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105	Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr			
106	20	25	30	
108	Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys			
109	35	40	45	
111	Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe			
112	50	55	60	
114	Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro			
115	65	70	75	80
117	Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile			
118	85	90	95	
120	Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr			
121	100	105	110	
123	Leu Ile Ile Leu Ser Arg Ile Met Asn Phe Leu Ser Ala Leu Gly Ala			
124	115	120	125	
126	Ile Ala Gly Ile Ile Leu Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn			
127	130	135	140	
129	Tyr Ile Cys Gly Tyr Ser His Gln Asn Ser Gln Cys Lys Ala Val Thr			
130	145	150	155	160
132	Val Leu Phe Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile			
133	165	170	175	
135	Glu Leu Phe Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu			
136	180	185	190	
138	Asp Cys Asp Cys Glu Gln Cys Cys			
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RAW SEQUENCE LISTING

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Input Set : A:\36938Aseq.txt

Output Set: N:\CRF3\04182001\I821821.raw

143 <211> LENGTH: 982
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 145 <213> ORGANISM: Homo sapiens
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 148 <221> NAME/KEY: CDS
 149 <222> LOCATION: (107)..(826)
 151 <400> SEQUENCE: 3

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 154 gccacagcac acaggaccag gctgcgagaa cagcatcatc agcatc atg cta tta 115
 155 Met Leu Leu
 156 1
 158 caa tcc caa acc atg ggg gtt tct cac agc ttt aca cca aag ggc atc 163
 159 Gln Ser Gln Thr Met Gly Val Ser His Ser Phe Thr Pro Lys Gly Ile
 160 5 15
 162 act atc cct caa aga gag aaa cct gga cac atg tac caa aac gaa gat 211
 163 Thr Ile Pro Gln Arg Glu Lys Pro Gly His Met Tyr Gln Asn Glu Asp
 164 20 25 30 35
 166 tac ctg cag aac ggg ctg cca aca gaa acc acc gtt ctt ggg act gtc 259
 167 Tyr Leu Gln Asn Gly Leu Pro Thr Glu Thr Thr Val Leu Gly Thr Val
 168 40 45 50
 170 cag atc ctg tgt tgc ctg ttg att tca agt ctg ggg gcc atc ttg gtt 307
 171 Gln Ile Leu Cys Cys Leu Leu Ile Ser Ser Leu Gly Ala Ile Leu Val
 172 55 60 65
 174 ttt gct ccc tac ccc tcc cac ttc aat cca gca att tcc acc act ttg 355
 175 Phe Ala Pro Tyr Pro Ser His Phe Asn Pro Ala Ile Ser Thr Thr Leu
 176 70 75 80
 178 atg tct ggg tac cca ttt tta gga gct ctg tgt ttt ggc att act gga 403
 179 Met Ser Gly Tyr Pro Phe Leu Gly Ala Leu Cys Phe Gly Ile Thr Gly
 180 85 90 95
 182 tcc ctc tca att atc tct gga aaa caa tca act aag ccc ttt gac ctg 451
 183 Ser Leu Ser Ile Ile Ser Gly Lys Gln Ser Thr Lys Pro Phe Asp Leu
 184 100 105 110 115
 186 agc agc ttg acc tca aat gca gtg agt tct gtt act gca gga gca ggc 499
 187 Ser Ser Leu Thr Ser Asn Ala Val Ser Ser Val Thr Ala Gly Ala Gly
 188 120 125 130
 192 ctc ttc ctc ctt gct gac agc atg gta gcc ctg agg act gcc tct caa 547
 193 Leu Phe Leu Leu Ala Asp Ser Met Val Ala Leu Arg Thr Ala Ser Gln
 194 135 140 145
 196 cat tgt ggc tca gaa atg gat tat cta tcc tca ttg cct tat tcg gag 595
 197 His Cys Gly Ser Glu Met Asp Tyr Leu Ser Ser Leu Pro Tyr Ser Glu
 198 150 155 160
 200 tac tat tat cca ata tat gaa atc aaa gat tgt ctc ctg acc agt gtc 643
 201 Tyr Tyr Tyr Pro Ile Tyr Glu Ile Lys Asp Cys Leu Leu Thr Ser Val
 202 165 170 175
 204 agt tta aca ggt gtc cta gtg gtg atg ctc atc ttc act gtg ctg gag 691
 205 Ser Leu Thr Gly Val Leu Val Val Met Leu Ile Phe Thr Val Leu Glu
 206 180 185 190 195
 208 ctc tta tta gct gca tac agt tct gtc ttt tgg tgg aaa cag ctc tac 739
 209 Leu Leu Leu Ala Ala Tyr Ser Ser Val Phe Trp Trp Lys Gln Leu Tyr

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210          200          205          210
212 tcc aac aac cct ggg agt tca ttt tcc tcg acc cag tca caa gat cat  787
213 Ser Asn Asn Pro Gly Ser Ser Phe Ser Ser Thr Gln Ser Gln Asp His
214          215          220          225
216 atc caa cag gtc aaa aag agt tct tca cgg tct tgg ata taagtaactc  836
217 Ile Gln Gln Val Lys Lys Ser Ser Arg Ser Trp Ile
218          230          235          240
220 ttggcctcag aggaaggaaa agcaactcaa cactcatggt caagtgtgat tagactttcc 896
222 tgaaatctct gccattttag atactgtgaa acaaactaaa aaaaaaagct tttttttgt 956
224 atttgaaaaa aaaaaaaaaa aaaaaa 982
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228 <211> LENGTH: 240
229 <212> TYPE: PRT
230 <213> ORGANISM: Homo sapiens
232 <400> SEQUENCE: 4
233 Met Leu Leu Gln Ser Gln Thr Met Gly Val Ser His Ser Phe Thr Pro
234   1          5          10          15
236 Lys Gly Ile Thr Ile Pro Gln Arg Glu Lys Pro Gly His Met Tyr Gln
237   20          25          30
239 Asn Glu Asp Tyr Leu Gln Asn Gly Leu Pro Thr Glu Thr Thr Val Leu
240   35          40          45
242 Gly Thr Val Gln Ile Leu Cys Cys Leu Leu Ile Ser Ser Leu Gly Ala
243   50          55          60
245 Ile Leu Val Phe Ala Pro Tyr Pro Ser His Phe Asn Pro Ala Ile Ser
246   65          70          75          80
248 Thr Thr Leu Met Ser Gly Tyr Pro Phe Leu Gly Ala Leu Cys Phe Gly
249   85          90          95
251 Ile Thr Gly Ser Leu Ser Ile Ile Ser Gly Lys Gln Ser Thr Lys Pro
252   100         105         110
255 Phe Asp Leu Ser Ser Leu Thr Ser Asn Ala Val Ser Ser Val Thr Ala
256   115         120         125
258 Gly Ala Gly Leu Phe Leu Ala Asp Ser Met Val Ala Leu Arg Thr
259   130         135         140
261 Ala Ser Gln His Cys Gly Ser Glu Met Asp Tyr Leu Ser Ser Leu Pro
262   145         150         155         160
264 Tyr Ser Glu Tyr Tyr Pro Ile Tyr Glu Ile Lys Asp Cys Leu Leu
265   165         170         175
267 Thr Ser Val Ser Leu Thr Gly Val Leu Val Val Met Leu Ile Phe Thr
268   180         185         190
270 Val Leu Glu Leu Leu Ala Ala Tyr Ser Ser Val Phe Trp Trp Lys
271   195         200         205
273 Gln Leu Tyr Ser Asn Asn Pro Gly Ser Ser Phe Ser Ser Thr Gln Ser
274   210         215         220
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281 <211> LENGTH: 24
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence

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285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer 2277-69
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293 <211> LENGTH: 27
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: AP1 Primer
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306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
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310 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer 2277-70
312 <400> SEQUENCE: 7
313 atgtgtccag gtttctctttt ttga 24
316 <210> SEQ ID NO: 8
317 <211> LENGTH: 23
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: AP2 Primer
324 <400> SEQUENCE: 8
325 actcactata gggctcgagc ggc 23
328 <210> SEQ ID NO: 9
329 <211> LENGTH: 23
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
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336 <400> SEQUENCE: 9
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341 <211> LENGTH: 23
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343 <213> ORGANISM: Artificial Sequence
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354 <212> TYPE: DNA
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357 <220> FEATURE:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/821,821

DATE: 04/18/2001

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Input Set : A:\36938Aseq.txt

Output Set: N:\CRF3\04182001\I821821.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date